

Workforce Housing – Debris Management and Disposal

Disposal of Debris from Building Demolitions



Permitted Solid Waste Disposal Facilities

- Restricted Use Sites - minimal siting and operational requirements designed to accept inert materials for burial and selective materials for temporary storage prior to recycling
- Regional Landfills - designed and operated to allow management of household garbage and nonhazardous commercial and industrial wastes and sludges



Restricted Use Solid Waste Disposal Facilities

- Authorized to accept construction & demolition debris, furniture and mattresses for burial, and scrap metals for temporary storage
- Not authorized to accept garbage and refuse or special wastes



Construction and Demolition Debris

- Concrete materials, brick, asphaltic concrete, shingles, painted and stained wood, pipe, attached insulation, and similar wastes
- Table 1 (attached) provides a complete list of authorized wastes



Unauthorized Wastes

- Garbage, liquid and hazardous wastes, treated wood, electronics, loose materials which create litter, and regulated asbestos-containing material
- Table 2 (attached) lists unauthorized wastes and handling procedures



Regional Landfills

- Permitted to accept construction and demolition debris, all household waste refuse and garbage, and nonhazardous solid waste from commercial and industrial sources
- Waste materials such as batteries, appliances, and tires can be accepted for temporary storage prior to transfer off-site
- Permitted to accept regulated asbestos-containing materials from commercial and public buildings

State Asbestos Requirements for Demolition



Individual Homes

- State asbestos requirements do not apply



Regulated Facilities

- Commercial, public, industrial, & institutional buildings
- Includes apartment buildings & projects involving more than one home under the control of the same owner and/or contractor



An asbestos inspection and notification to DENR is required prior to the demolition of all regulated facilities

- All friable asbestos-containing materials must be removed by an asbestos contractor prior to demolition
- Nonfriable asbestos-containing materials including resilient floor coverings and asphalt roofing are not required to be removed prior to demolition



Open Burning Buildings in Place



State administrative rules prohibit open burning of the following materials:

- Waste oils, rubber, waste tires, tarpaper, asphalt shingles, and treated wood
- Prohibited materials are required to be removed whenever feasible prior to open burning



All asbestos-containing materials (including nonfriable materials) must be removed prior to open burning regulated facilities



DENR requests that furniture, appliances and other waste materials be removed from the building prior to open burning if feasible

- Authorized materials may go to a restricted use site as discussed above
- Refuse & garbage, commercial & industrial wastes must be managed appropriately

Table 1
Authorized Wastes
Restricted Use Solid Waste Disposal Facility

Under South Dakota law, local ordinances may further restrict some of the items listed below. The operator may choose not to accept some of the waste materials listed below.

Type of Waste	Handling Procedures / Requirements
<u>Construction and demolition debris:</u> Concrete, brick, stonework, asphaltic concrete, concrete block, asphaltic or fiberglass shingles, painted or stained wood, attached insulation, pipe, and similar wastes.	These wastes must be buried. These wastes may not be burned . Concrete, brick, stonework, asphaltic concrete, and concrete block may be buried or temporarily stored for subsequent recycling and reuse.
<u>Trees and untreated wood:</u> Scrap lumber, trees, tree branches, and brush. Painted, stained, glued, or chemically treated wood is considered treated and may not be open burned.	These wastes may be burned or buried. Wastes to be burned must be isolated in a separate area of the site. Contact the local fire department, DENR, and local law enforcement prior to open burning.
<u>White goods/metals:</u> Refrigerators, washers, dryers, freezers, stoves, water heaters and other recyclable scrap metals, excluding fuel tanks unless they have been cleaned and can be recycled.	These materials may be accepted for temporary storage only. A properly certified or trained individual must remove all refrigerants (Freon) from refrigerant-containing appliances prior to recycling.
<u>Waste tires</u>	Waste tires may be accepted for temporary storage only. Keep tires at least 300 feet away from any open flame. Waste tires may not be burned or buried. Storage is not to exceed one year.
<u>Miscellaneous wastes:</u> Carpets, chairs, couches, mattresses, linoleum, glass, and similar materials.	These wastes may not be burned. These materials must be buried.
<u>Ash</u>	Only ash from wood burning stoves or other household sources and authorized on-site open burning may be accepted for burial.
<u>Yard waste:</u> Leaves, grass clippings and similar vegetation.	Yard waste may not be burned. Yard waste must be composted. Reuse of compost shall be in compliance with applicable federal, state and local laws.

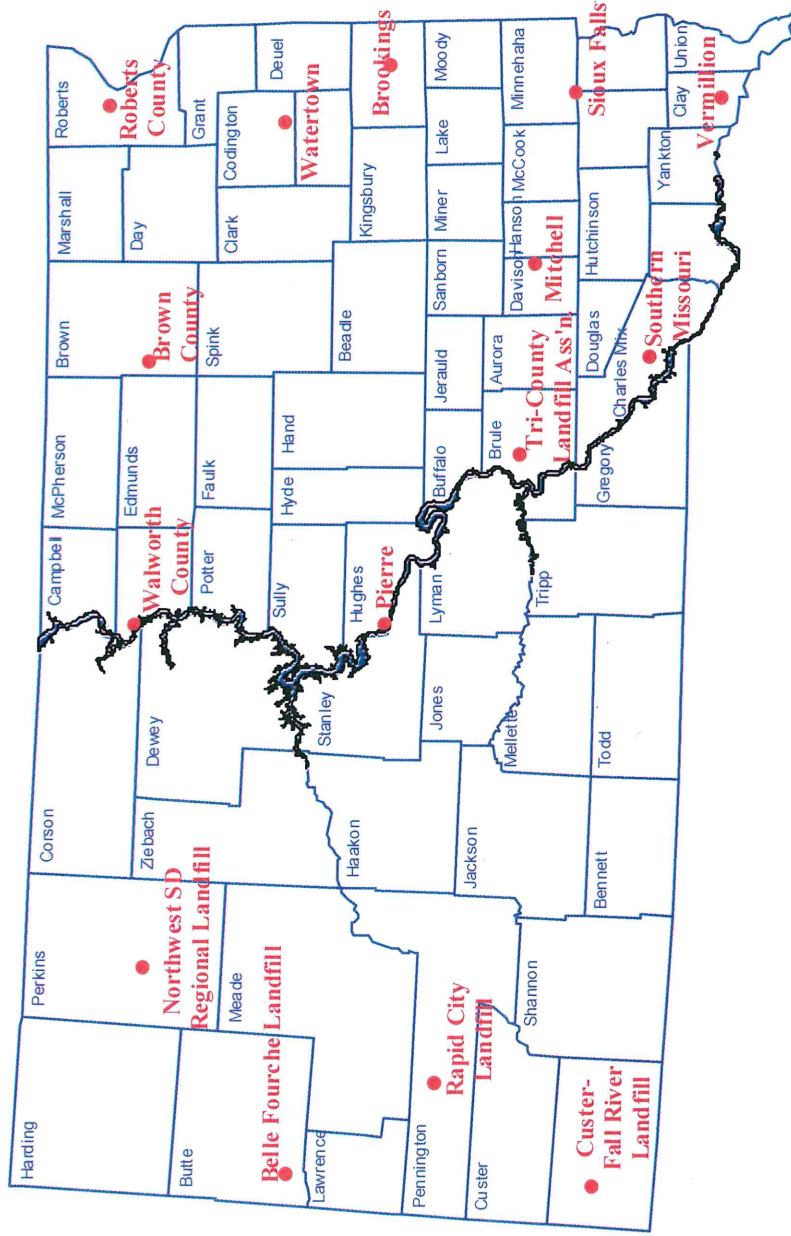
Other wastes not listed above may be approved by DENR on a case-by-case basis. Waste not specifically listed above or approved by DENR must be removed and properly disposed at a permitted municipal solid waste landfill. DENR can be contacted at (605) 773-3153.

Table 2
Unauthorized Wastes
Restricted Use Solid Waste Disposal Facility

The following wastes **are not allowed** to be accepted at a restricted use site. If these substances/materials are found at the site, proper specific handling procedures and requirements are stated below for operator use. DENR can be contacted at (605) 773-3153.

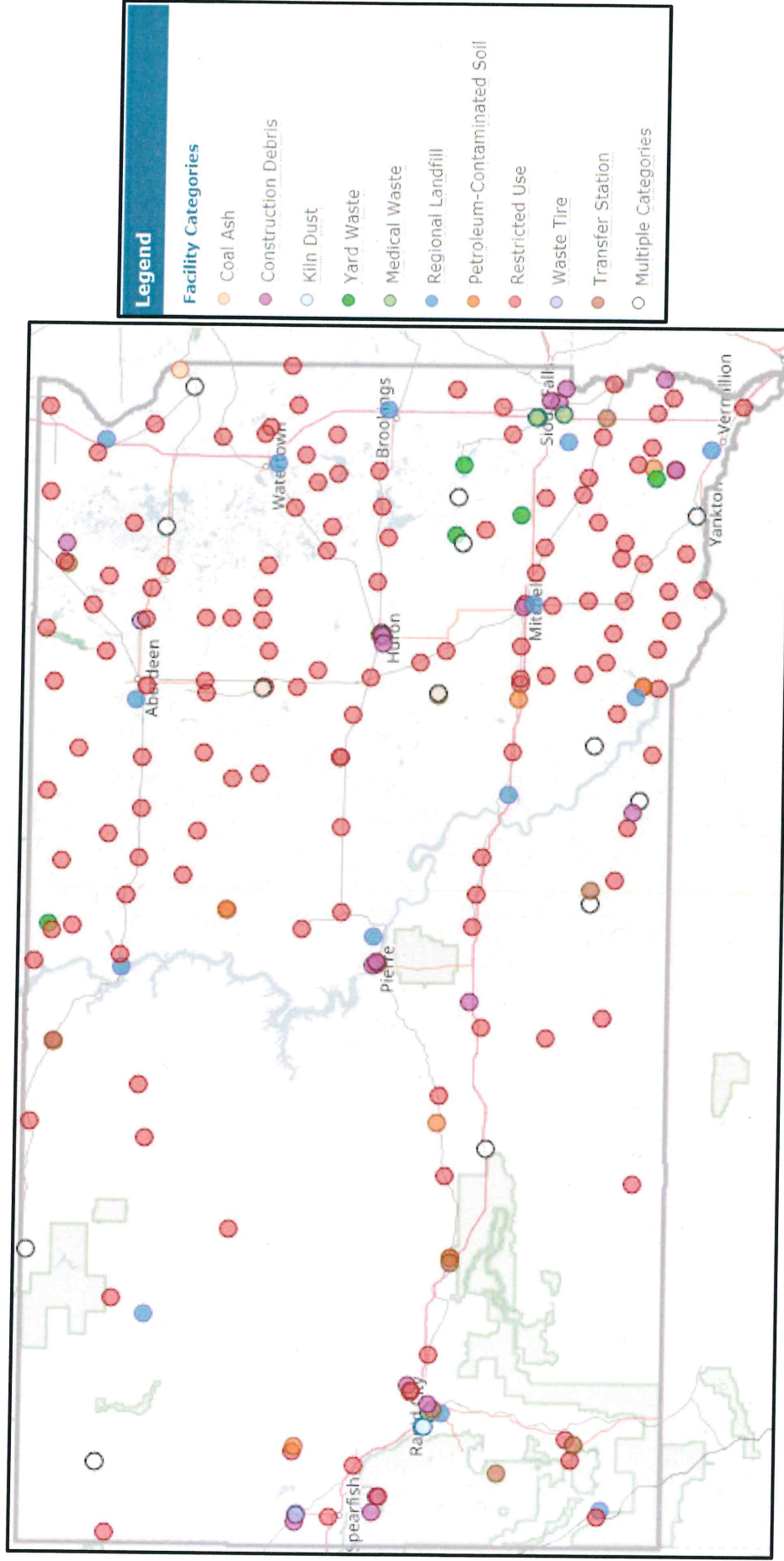
Type of Waste	Handling Procedures / Requirements
<u>Hazardous waste:</u> Waste oil, solvents, PCBs, ash, or similar wastes.	Isolate waste and contact DENR as soon as possible.
<u>Pesticide containers</u>	Waste must be removed from the site and taken to a permitted municipal solid waste landfill or contact the Department of Agriculture about recycling options.
<u>Regulated asbestos-containing materials</u>	Isolate waste and contact DENR as soon as possible. Waste must be taken to a permitted municipal solid waste landfill.
<u>Lead-acid batteries</u>	Waste must be removed from the site and taken to a recycler that accepts lead-acid batteries.
<u>Putrescible wastes:</u> Municipal solid waste and household garbage.	Waste must be removed from the site and taken to a permitted municipal solid waste landfill.
<u>Liquid waste:</u> Petroleum products, sludges, tar, paint, used motor oil, contaminated water, or other liquid wastes.	Isolate waste and contact DENR as soon as possible to determine appropriate disposal methods.
<u>Treated wood:</u> Wood treated with inorganic chemicals, chromated copper arsenate (CCA), pentachlorophenol (PCP), or creosote. CCA and PCP treated wood is commonly referred to as green or brown treated.	Waste must be removed from the site and taken to a permitted municipal solid waste landfill for disposal.
<u>Miscellaneous wastes:</u> Cardboard, plastic, plastic containers, Styrofoam, foam rubber, packaging materials, loose insulation, containerized paints, sealants, adhesives, and similar materials.	Waste must be removed from the site and taken to a permitted municipal solid waste landfill for disposal or recycled.
<u>Electronic wastes:</u> Televisions, computers, monitors, cell phones, VCRs/DVDs, and similar electronic waste materials	Electronic wastes must be removed from the site and taken to a recycler or permitted municipal solid waste landfill.
<u>Contaminated soil:</u> Soil contaminated with diesel fuel, fuel oil, kerosene, jet fuel, gasoline, pesticides, solvents, transformer oil, motor oil, lubricants, grease, tar, or similar materials.	Isolate waste and contact DENR as soon as possible to determine appropriate disposal methods.

Regional Landfill Locations in South Dakota



<http://denr.sd.gov/des/wm/landfillmaps/lfstare.aspx>

Permitted Solid Waste Facilities in South Dakota



Interactive GIS Solid Waste database available at:

<https://apps.sd.gov/NR60SolidWaste/main.html>